

# 1 $\phi$ 3 $\phi$ 1000A AC Power Clamp Meter

**Measures Current, Insulation Resistance, Temperature (Type K) and Power**

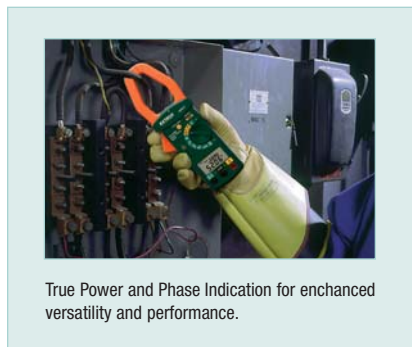
*Including True Power, Apparent Power, and Reactive Power*

## 380976-K Features:

- Large dual LCD display (9999 count)
- Measures 1 $\phi$ /3 $\phi$  True Power (kW), Apparent Power (kVA), and Reactive Power (kVAR), plus Horsepower (HP), Power Factor, and Phase Angle with Lead/Lag indicator
- AC+DC  $\mu$ A current with 10nA resolution for flame rod tests
- Max/Min recording with elapsed time indication
- Auto Detect AC/DC Voltage measurements with simultaneous frequency display
- Capacitance to 7000 $\mu$ F with 0.001 $\mu$ F resolution
- High Resistance tests to 100M $\Omega$
- Type K,  $^{\circ}$ C/ $^{\circ}$ F switchable, temperature to 1000 $^{\circ}$ F
- Diode and Continuity tests
- Auto power off with disable feature
- 1.6" (40mm) clamp jaw opening
- Test Lead Kit includes: two CAT IV-600V 72" (1.8m) lead extensions with right angle and straight end shrouded banana plugs; two modular test probe handles with stainless steel tips; two plunger activated retractable jaw clips; two extra large alligator clips
- Complete with test lead kit, general purpose Type K thermocouple probe, carrying case, and 9V battery

## Applications:

- AC Power evaluation
- Motor/Generator installation and repair
- HVAC flame rod tests
- Capture max/min temperature or current values
- Category III rating for industrial measurements



True Power and Phase Indication for enhanced versatility and performance.

| Function                        | Max Range / Resolution                                                                    | Basic Accuracy         |
|---------------------------------|-------------------------------------------------------------------------------------------|------------------------|
| True Power (W):                 | 600kW / 10W                                                                               | $\pm 5\%$              |
| Apparent Power(kVA):            | 600kVA / 100VA                                                                            | $\pm 2\%$              |
| Reactive Power (kVAR)           | 600kVAR/10VAR                                                                             | $\pm 5\%$              |
| Horsepower (HP)                 | 800HP/0.01HP                                                                              | $\pm 5\%$              |
| Phase Angle ( $\phi$ ):         | -60 to +60 $^{\circ}$ / 0.1 $^{\circ}$                                                    | $\pm 6^{\circ}$        |
| AC Current: (Trms):             | 1000A / 10mA                                                                              | $\pm 2\%$              |
| $\mu$ A Current (AC+DC) (Trms): | 1000 $\mu$ A / 10nA                                                                       | $\pm 1\%$              |
| AC/DC Voltage: (Trms):          | 600V / 0.1mV                                                                              | $\pm 1\%$              |
| Resistance ( $\Omega$ ):        | 1000k $\Omega$ / 0.1 $\Omega$                                                             | $\pm 1\%$              |
| Resistance (M $\Omega$ ):       | 100M $\Omega$ / 1k $\Omega$                                                               | $\pm 5\%$              |
| Capacitance:                    | 7000 $\mu$ F / 1nF                                                                        | $\pm 1.5\%$            |
| Frequency:                      | 40Hz to 1kHz / 0.1Hz                                                                      | $\pm 0.5\%$            |
| Temperature (Type K):           | -58 to 1000 $^{\circ}$ F / 0.1 $^{\circ}$ F<br>-50 to 900 $^{\circ}$ C / 0.1 $^{\circ}$ C | $\pm 1\%$<br>$\pm 1\%$ |
| Dimensions:                     | 9 x 3 x 1.6" (228 x 76 x 39mm)                                                            |                        |
| Weight:                         | 16.4oz (465g)                                                                             |                        |

## Ordering Information:

380976-K.....3-Phase True RMS Power Clamp Meter Kit  
380976-K-NIST .....380976-K w/ Calibration Traceable to NIST Standards  
480172.....AC Line Splitter

